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U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF ANIMAL INDUSTRY.

A. D. MELVIN, CHIEF OF BUREAU.

SERVICE AND REGULATORY ANNOUNCEMENTS.

SEPTEMBER, 1914.

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 50 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

CHANGES IN DIRECTORY.

Meat Inspection Inaugurated.

- 3-AT. Swift & Co., 2294 Twelfth Avenue, New York, N. Y.
 *688. Charles A. Freund, Rachel and Henshaw Streets, Cincinnati, Ohio.
 750. E. L. Brooks, 155 North Tenth Street, Lebanon, Pa.
 256. The Taylor Provision Co., 63 Perrine Avenue, Trenton, N. J.
 800. The Misses Gregory, 30½ Lafayette Street, Newark, N. J.
 958. I. H. Sentz, 1002 North Franklin Avenue, Chicago, Ill.
 627. D. M. Bodine, 32 South Stockton Street, Trenton, N. J.
 628. W. W. Rose, 175 Pennington Avenue, Trenton, N. J.
 *961. Farmers Serum Co., R. F. D. 2, box 35, Granite City, Ill.
 3-AR. Swift & Co., 188 Gore Street, Cambridge, Mass.

Meat Inspection Discontinued.

436. J. H. Michener & Co., 956 North Front Street, Philadelphia, Pa.
 *224. Carstens Packing Co., Tacoma, Wash.
 458. Red Cross Packing Co., The Liebig Extract Co., 48 Hudson Street, New York, N. Y.
 904. Eastern Dressed Beef Co., 42 North Street, Boston, Mass.
 *808. H. H. Curtis, Hallstead, Pa.
 *838. Frederick Abattoir Co., Frederick, Md.

Stations Added.

- Chicago, Ill. Dr. S. E. Bennett. (Tuberculosis eradication in Illinois.)
 Mitchell, S. Dak. Dr. S. M. Smith, Federal Building. (County hog-cholera demonstration work.)
 Vienna, Va. Dr. Cooper Curtice, R. F. D. 2. (Investigations concerning round-worms of sheep.)
 Granite City, Ill. (Substation of National Stock Yards, Ill.)

Change of Officials in Charge.

Albuquerque, N. Mex. Dr. F. L. Schneider instead of Dr. M. Imes.
Albany, N. Y. Dr. E. H. Baumann instead of Dr. J. E. Gibson.
Crawfordsville, Ind. Dr. A. B. Niven instead of Dr. S. E. Bennett.
Fort Worth, Tex. Dr. A. O. Lundell instead of Dr. C. E. Mauldin.
Kankakee, Ill. Dr. S. E. Bennett instead of Dr. B. J. Cady.
Oklahoma, Okla. Dr. J. S. Grove instead of Dr. A. O. Lundell.

Change in Firm Name.

*386. George Hausmann & Sons (Inc.), Fifty-first Street and Westminster Avenue, Philadelphia, Pa., instead of George Hausmann & Sons.

Stations Discontinued.

Frederick, Md.
Tacoma, Wash.

NOTICES REGARDING MEAT INSPECTION.**USE OF NITRATE OF SODA (CHILE SALTPETER).**

The Secretary of Agriculture issued the following order under date of September 12, 1914:

"Owing to the present commercial conditions, which restrict the available supply of saltpeter, it is hereby ordered that the provisions of paragraph 2 of section 6, regulation 18, B. A. I. Order 211, 'Regulations Governing the Meat Inspection of the United States Department of Agriculture,' shall be and become effective immediately.

"This order permits the immediate use of nitrate of soda (Chile saltpeter) in the preparation of meat and meat food products in establishments where Federal meat inspection is maintained.

"D. F. HOUSTON, *Secretary.*"

REFRIGERATED PORK FOR SUMMER SAUSAGE.

In accordance of the provisions of paragraph 4 of section 7, regulation 18, B. A. I. Order 211, the meat (muscle fiber) of pork which has been subjected to a temperature not higher than 12° F. for not less than 20 days may be used in preparing articles (such as summer sausage, Italian hams, etc.) of a kind prepared customarily to be eaten without cooking.

During the period of refrigeration the pork shall be kept separate from other meat in rooms or compartments equipped for secure locking and be held under bureau lock. At such other times until the articles containing such pork are prepared in their final form the pork and articles shall be under close supervision.

It is essential that inspectors be assured by their own observations and records that the required temperature is maintained for the period of time specified. The thermometers used for indicating temperatures shall be placed in the freezers at or above the highest level at which the pork under refrigeration is stored. The establishment records of temperatures shall be checked and independent readings of the thermometers made and recorded by inspectors sufficiently often to make sure that the required temperature is maintained. Until such time as the bureau may provide standardized thermometers for comparison with establishment thermometers the latter may be accepted unless evidence is found that they are not accurate, as a result, for example, of comparing the readings of several thermometers exposed simultaneously to a temperature of about 12° F.

* Conducts slaughtering.

If, after pork has been refrigerated as above specified, it is desired to transfer it to another official establishment at the same or different official station for use in preparing articles (such as summer sausage) of a kind prepared customarily to be eaten without cooking, the pork shall be transferred either in closed containers or else in cars or wagons which shall contain no other meat. Cars and wagons used in transferring such pork, if it is not in closed containers, shall be sealed with bureau seals. When closed containers are used they shall not only be sealed but shall be plainly and conspicuously marked with a label or stencil furnished by the establishment as follows: "Pork product 12° 20 days refrigeration." For each such consignment there shall be duly issued and forwarded a copy of M. I. Form 109-F or 109-C appropriately changed to show the character of the container and that the contents are "pork products 12° 20 days refrigeration."

Upon arrival at destination such consignments shall be unloaded and handled under bureau supervision and be kept separate from other meats and under close supervision as above indicated until the articles containing the pork are prepared in their final form.

Satisfactory rooms or compartments for refrigerating may be furnished by complete and secure separation of portions of freezers by the use of woven wire.

Each official station shall maintain for each establishment a record of the amount of pork by cuts or weight so refrigerated and in the course of preparation as well as that shipped to and received from other official establishments, including the bureau seals used. Additional forms for reporting will be furnished as early as possible.

On and after November 1, 1914, no article containing any lean pork of a kind prepared customarily to be eaten without cooking shall be prepared in official establishments unless the pork has been refrigerated as above specified or subjected to some other treatment approved by the bureau.

Paragraph 4 above referred to shall not be considered as being retroactive, and the foregoing shall not apply to products in the course of preparation prior to November 1, 1914.

MARKING SIZE ON PACKING CASES.

Referring to notice in Service and Regulatory Announcements for July, 1914, page 95, under the caption "Ruling under net weight and volume regulations," it has been decided upon reconsideration that the statements " $\frac{1}{4}$ cans" and "size $\frac{1}{4}$," convey the inference that the net weight of the product is one quarter of a pound, and accordingly containers may bear such statements only in the event that the fraction represents the true weight. No exception, however, will be taken to the statement "No. $\frac{1}{4}$ " appearing on the outside of packing cases, provided the individual packages contained therein bear the true net weight of their contents in conformity with the regulations promulgated under the net weight and volume amendment.

All approvals which have been previously granted for the use of box dies and stencils bearing the prohibited statements above mentioned are hereby rescinded. Inspectors will permit the use of corrected box dies and stencils as soon as prepared pending the prompt action on the part of the managements of establishments in submitting imprints of such box dies and stencils for approval. Previously prepared cardboard or wooden containers bearing the statements will be permitted to be used after the complete obliteration of the statements.

ESTABLISHMENT NUMBER ON METAL CONTAINERS.

In future the bureau will permit the omission of the establishment number from lithograph labels on metal containers of the type commonly used for products such as lard, compound, tenderloins, and brains. When the number is omitted from such labels there shall be prominently embossed on the bottom of the container the abbreviation "Estab.," followed by the establishment number. This will not apply to

paper labels, nor will it be permitted to emboss the number on the cover of the container in lieu of the bottom. When lithograph labels from which the establishment number has been omitted are submitted for approval they should in each instance be accompanied by a statement indicating that the establishment number is embossed on the bottom of the container.

The foregoing rule has no reference to hermetically sealed tin containers on which it is required to emboss the establishment number under the provisions of paragraph 4, section 2, regulation 17, B. A. I. Order 211.

BRANDING SUMMER SAUSAGE.

Inspectors in charge will require that the No. 2 bureau brand be applied to summer sausage, and if better results are obtained than with the larger brand the use of the No. 2 brand should be continued on this variety of sausage. It is reported that when the brand is applied immediately after the product is smoked the marks remain legible after the sausage has been washed and has become wrinkled from drying and shrinkage.

SAMPLES OF INGREDIENTS USED IN INKS.

Inspectors in charge are informed that when submitting samples of ingredients used in the preparation of branding inks that are to be supplied by the establishments for applying establishment brands and marking burlap and other wrappers, 1-ounce samples of the liquid ingredients and charcoal, and approximately a teaspoonful of the aniline dyes, are sufficient-sized samples for laboratory examination. All samples should be accompanied by the properly executed Form Bc. 1.

LIVERS FOR IMPORTATION MUST HAVE PORTAL GLANDS INTACT.

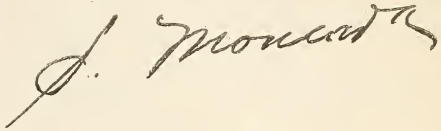

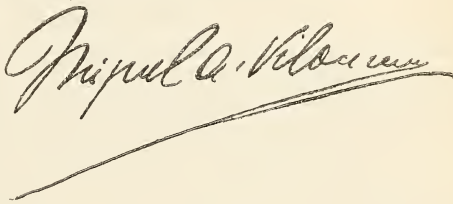
In order that an adequate inspection may be made, all foreign livers are required to have the portal glands intact. Livers offered for importation with these glands removed shall be refused admittance.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, AUGUST, 1914.

City.	Cattle.	Calves.	Sheep.	Goats.	Swine.
Chicago.....	110,009	18,825	319,852	2,871	346,577
Kansas City.....	80,007	10,223	88,026	4,744	105,042
National Stock Yards.....	45,564	7,577	42,525	1,053	84,226
South Omaha.....	32,197	1,304	185,364	1	116,563
South St Joseph.....	14,656	1,878	40,135	120	72,990
All other establishments.....	235,732	89,547	493,528	1,794	1,073,634
Total August, 1914.....	518,165	129,359	1,169,430	10,613	1,799,032
Total August, 1913.....	532,031	149,292	1,243,440	3,352	2,263,333
Total January-August, 1914.....	4,022,265	1,185,816	9,240,790	84,101	20,624,865
Total January-August, 1913.....	4,428,056	1,341,836	8,864,101	29,912	22,300,734

SIGNATURES OF FOREIGN MEAT INSPECTORS.

To enable bureau inspectors to verify the signatures of foreign official meat inspectors authorized to certify to meats and meat food products, the following names, addresses, and facsimile signatures are given:

Country, name, and address.	Signature.
<i>Honduras.</i> Salvador Moncada, Tegucigalpa ..	
<i>Spain.</i> Francisco Sugrañez, Cortes 534, Barcelona.	
Miguel A. Vilarrasa, Carmen 31, Vich.	

NAME REMOVED FROM LIST.

The name of the following inspector, published in Service and Regulatory Announcements, has been removed from the list of foreign officials authorized to issue certificates for meat products exported to the United States:

Jakob Jäk, Kempthal, Switzerland.

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during August, 1914, together with totals for the year to date, are shown in the following tables:

Food animals.

Country of export.	Cattle.	Swine.	Sheep.	Goats.
Mexico	26,973	3	13,200	4,983
Canada	25,097	15,391	2,514
Great Britain.....	32	21
Total, August, 1914	52,102	15,394	15,735	4,983
Total, January-August, 1914	497,536	130,757	117,457	148,662

Meats and meat food products.

Country of export.	Fresh and refrigerated meat.		Canned and cured meats.	Other products.	Total.
	Beef.	Other.			
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Argentina.....	11,902,399	625,156	974,449	994,039	14,496,043
Australia.....	2,661,634	418,455	1,429,772	4,480	4,514,341
Canada.....	1,590,850	3,170,096	3,647,463	93,254	8,501,663
Uruguay.....	5,041,080	368,983	7,200	-----	5,417,263
Other countries.....	618,391	164,699	80,834	\$7,098	951,022
Total, August, 1914.....	21,814,354	4,747,389	6,139,718	1,178,871	33,880,332
Total, January-August, 1914.....	185,114,180	27,850,744	20,819,582	4,551,757	238,336,293

Condemned in August: Beef, 70,285 pounds; mutton, 28 pounds; pork, 6,795 pounds; total, 77,108 pounds.

CONVICTIONS FOR VIOLATIONS OF LAWS.**MEAT-INSPECTION LAW.**

In cases against the following-named persons, charged with violating the meat-inspection act in shipping in interstate trade unsound meat or meat food products, the defendants were fined the amounts indicated:

Name.	Address.	Fine.
Frank Lacey.....	Galilee, Pa.....	\$10.00
Joseph G. Burke.....	do.....	10.00
Howard M. Burke.....	do.....	10.00
Stephen E. Burke.....	do.....	10.00
William Shufelt.....	Sharon, Wis.....	10.00
Howard R. Wickham.....	Johnson, N. Y.....	25.00
Edward Forshee.....	Westtown, N. Y.....	50.00
Lewis F. Lochner.....	Mount Pleasant, Md.....	25.00

In the cases against George Ahlheim Co., Albany, N. Y., charged with violating the meat-inspection act in shipping in interstate trade uninspected meat food products, the defendant pleaded guilty and paid a fine of \$20.

TWENTY-EGHT-HOUR LAW.

The following results of prosecutions for violations of the twenty-eight-hour law have been reported to the bureau during the month of September, 1914.

Number of cases.	Defendant.	Fine.
1	Grand Trunk Railroad Co.....	\$108.47.
1	St. Louis & San Francisco Railroad Co.....	128.49.
1	Oregon Short Line Railroad Co.....	100.00 and costs.
1	St. Louis & San Francisco Railroad Co.....	128.43.
1	Chicago, Burlington & Quincy Railroad Co.....	100.00 and costs.
1	do.....	100.00 and costs.
1	Michigan Central Railroad Co.....	200.00 and costs.
Total (7 cases).....		\$65.39 and costs.

SERUM LAW.

In a recent case against the Oklahoma Stock Yards Serum Co. for violation of the law governing the manufacture, etc., of viruses, serums, etc., for the treatment of domestic animals (37 Stat., 832), the defendant pleaded guilty to the charge of the interstate shipment of antihog-cholera serum without a license and was fined \$25.

LICENSES ISSUED FOR MANUFACTURE OF VETERINARY BIOLOGICAL PRODUCTS.

The following licenses for the manufacture of biological products have been issued since the publication of the list in Service and Regulatory Announcements for August, 1914. These licenses, which cover the calendar year 1914, are issued under the act of Congress of March 4, 1913 (37 Stat., 832), and the regulations made thereunder (B. A. I. Order 196).

License.	Name and address of firm.	Products.
72	Central Missouri Serum Co., Eastwood Avenue, Marshall, Mo.	Antihog-cholera serum; hog-cholera virus.
102	The Lathrop Serum Co., Lathrop, Mo.	Do.
103	The Fowler Serum Co., 335 North James Street and Second and Spitlog Avenue, Kansas City, Kans.	Do.
104	The Swan-Myers Co., Indianapolis, Ind.	Swan's bacterin.
105	Canton Serum Co., Canton, S. Dak.	Antihog-cholera serum; hog-cholera virus.
106	The Waterloo Serum Laboratories, Ansborough and Upton Streets, Waterloo, Iowa.	Do.

Correction.

The following correction should be made in the list of licenses published in Service and Regulatory Announcements for August, 1914, page 114: The item under "Products" covered by license 86 to The Germania Serum Co., Kansas City, Kans., should be changed from "Do." to "Antihog-cholera serum; hog-cholera virus." The succeeding entries of "Do." will then be correct. File copies should be corrected as indicated.

TEXAS FEVER QUARANTINE—PLACES WHERE SOUTHERN CATTLE MAY BE SHIPPED FOR IMMEDIATE SLAUGHTER.

Referring to section 4 of regulation 2 of the "Regulations governing the interstate movement of live stock" (B. A. I. Order 210), cattle of the area quarantined for splenetic, southern, or Texas fever may be shipped to the Bl menstock Reid Co., Cleveland, Ohio, for immediate slaughter, in addition to lists of places previously published.

INSPECTION AND TESTING OF ANIMALS FOR CANADA.

The following changes have been made in the list of practicing veterinarians registered by the bureau and authorized to inspect and test with mallein horses, mules, and asses intended for export to Canada:

Names Added to List.

Dr. Burton R. Rogers, St. Joseph, Mo.
Dr. E. V. Robnett, Oklahoma City, Okla.

Name Removed from List.

Dr. H. T. Moss, Miamisburg, Ohio.

Change of Address.

Dr. O. C. Selby, Rapid City, S. Dak., to Pierre, S. Dak.

SALARY VOUCHERS.

There appears to be a general misunderstanding as to the signatures that are necessary on separate salary vouchers (Form 3). When submitting such vouchers in the future employees will be guided by the following instructions:

1. When an inspector in charge claims his own salary on a Form 3 voucher, he should sign both certificates, indicating his official title only in connection with his signature to the second or lower certificate.

2. When an inspector in charge, superintendent, or other supervisory official submits a salary voucher (Form 3) in favor of an employee in his force, the lower certificate should be signed invariably by the inspector in charge, superintendent, or other supervisory official. The upper certificate should be signed by the employee if it is practicable, but his signature is not absolutely necessary. See footnote to voucher.

3. Employees outside of Washington whose work is supervised from Washington and who are not attached to stations supervised by inspectors in charge, superintendents, etc., should sign only the first or upper certificate. The second or lower certificate will be signed by Washington officials.

SUBVOUCHERS REQUIRED FOR BOARD.

The following instructions issued in Service Announcements of June 15, 1912, are still in force:

Under a recent ruling of the accounting officers of the Treasury Department it is necessary to furnish subvouchers for board when meals are obtained on credit and paid for after a period. Where individual meals are paid for when taken no subvoucher is required, but in such cases a short notation should be indicated as the last entry in the account that all meals not covered by subvouchers were paid for when taken.

Reimbursement accounts of all employees must be prepared accordingly in the future, and inspectors in charge will see that each travel account submitted is so prepared before it is approved and forwarded to Washington for payment, otherwise the accounts will be returned.

REIMBURSEMENT ACCOUNT FORMS.

Bureau employees may continue to use the blank Form 4, travel accounts, that they now have on hand, and render them as heretofore; but when the supply is exhausted and the new forms designated as "Department Form No. 4, approved by the Comptroller of the Treasury, May 23, 1914," are supplied care should be exercised in their use to indicate the authorization number or numbers in the square below the printed oath and alongside the jurat on the face of the account. The spaces above the oath following the words "Secretary of Agriculture, No. —, dated —, 191—," should be left blank.

LEAVE OF ABSENCE.

The new administrative regulations of the department which became effective July 1, 1914, provide that annual and sick leave at the rate of one and one-fourth days per month may be granted to employees serving under probationary appointments. Instructions regarding leave in Service Announcements of April 15, 1912, pages 29 to 34, are hereby amended accordingly, and inspectors in charge and others in supervisory positions will correct their file copies by striking out all references to probationary employees in paragraphs 2, 5, 10, and 11 on pages 30 and 31.

The new regulations also provide that when an employee has exhausted all of his annual and sick leave, or is not entitled for other reasons to leave with pay, any additional absence, if only for a fractional part of a day, must be without pay; and that,

furthermore, whole days without pay (not fractional parts) must be charged against employees with the understanding that the leave for the fractional part of a day with which they stand charged and did not take may be taken later within the year, subject to approval. When an employee is absent without pay for a fractional part of a day he should be indicated on the time report (T-40a) as being absent the whole day. The fractional part which he did not take, but may take later, should be a matter for record only in the office of the inspector in charge or other supervisory official.

OUTSIDE WORK BY DEPARTMENT EMPLOYEES.

Memorandum No. 104, issued by the Secretary of Agriculture under date of September 16, 1914, reads as follows:

Attention is called to the following paragraph of the administrative regulations of the department:

No officer or employee engaged continuously on work of the department shall perform or be engaged upon any work for private individuals, firms, companies, corporations, or institutions without the written consent of the Secretary first had and obtained through the chief of the bureau, office, or division in which said officer or employee serves.

Permission to officers or employees of the department to engage in outside work will not be granted:

1. If the outside work or any of it is to be performed during official hours.

(NOTE.—The practice of taking annual leave intermittently by hours or days in order to do outside work should be discouraged, the main purpose of annual leave being thereby defeated.)

2. If the efficiency of the employee may be impaired by the performance of the outside duties, i. e., where the outside duties are of such an onerous or fatiguing nature as to injure the health of the employee or prevent him from doing his best work during official hours.

3. If the work to be done in a private capacity may be construed by the public to be the official acts of the department.

4. If the business connections to be established or the property interests to be acquired may result in a conflict between the private interests of the employee and his (or her) official duties, or tend to bias his (or her) judgment.

5. If the doing of such work may involve the use of information secured as the result of employment in the department to the detriment of the public service.

6. If such employment may tend to bring criticism upon the department or cause embarrassment.

The rules governing the preparation of textbooks and articles for magazines or journals are covered in Memorandum No. 103.

COMPLAINTS RELATIVE TO INDEBTEDNESS OF EMPLOYEES.

Attention is called to the following paragraph of the administrative regulations of the department:

The Department of Agriculture will take no cognizance of a debt complaint made against an employee, so far as the complainant is concerned, beyond acknowledging the receipt of his communication. Persons claiming to be creditors or collectors of debts or claims will be denied access to employees for the purpose of presenting or collecting claims during the hours set apart for the transaction of public business or while the employees concerned are on duty. But, although the department will not permit itself to be used as a collection agency, it will not consider as a fit employee

any one who contracts a just debt and then, without sufficient excuse, neglects to make payment. Therefore, upon receipt of a complaint of nonpayment of debt, it will be referred to the proper chief of bureau or office, who will obtain a report in writing from the employee concerned, which, together with a summary of the conclusions reached by the chief of bureau in the matter, will be made a part of the official record in his case, and considered by the bureau committee on efficiency and promotions in making up the efficiency register. The chief of bureau may prefer charges against an employee who contracts a just debt, and then, without sufficient and reasonable excuse, neglects or avoids payment thereof.

BACK NUMBERS OF SERVICE ANNOUNCEMENTS WANTED.

The bureau frequently receives requests for back numbers of Service Announcements which it is unable to supply. Since the issuance of the new meat-inspection regulations, in which the effort has been made to embody the more important meat-inspection rulings, it is believed that most employees in that service will not have much further need for the previous issues of Service Announcements, and that many members of the force probably have individual copies for which they have no further use. Employees having copies no longer needed by them are requested to send to the Washington office any of those indicated below. A complete official file, however, should still be kept at each station.

The numbers desired by the bureau are as follows: All of 1907, 1903, 1909, and 1910; January, September, and December, 1911; April, June, and December, 1912; June and November, 1913.

PUBLICATIONS IN SEPTEMBER.

[The Bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to inspectors in charge for distribution to members of their forces. The number of copies varies with the subject or nature of the publication and the number and class of employees. For example, in the case of a publication on a veterinary subject, sufficient copies are sent for the veterinarians. Inspectors in charge will use their judgment and distribute publications to best advantage. Additional copies will be furnished on request so far as possible.]

Department Bulletin 106. The Granular Venereal Disease and Abortion in Cattle. By W. L. Williams, professor of surgery, veterinary department, Cornell University (in conjunction with the Pathological Division, Bureau of Animal Industry). Pp. 53, figs. 2.

Department Bulletin 131. Repellents for Protecting Animals from Attacks of Flies. By H. W. Graybill, assistant zoologist, Zoological Division. Pp. 26.

Composition of Roquefort Cheese Fat. By James N. Currie, chemist, Dairy Division, Bureau of Animal Industry. Pp. 429-434. (Reprint from the Journal of Agricultural Research.)

Amendment 1 to B. A. I. Order 206. Regulations Governing the Recognition of Breeds and Purebred Animals. (Amends regulation 2, section 4, paragraph 1, recognizing breeds and books of record across the seas.)

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY.

Chief: A. D. MELVIN.

Assistant Chief: JOHN R. MOHLER.

Chief Clerk: CHARLES C. CARROLL.

Animal Husbandry Division: GEORGE M. ROMMEL, chief.

Biochemic Division: M. DORSET, chief.

Dairy Division: B. H. RAWL, chief.

Field Inspection Division: R. A. RAMSAY, chief.

Meat Inspection Division: R. P. STEDDOM, chief.

Miscellaneous Division: A. M. FARRINGTON, chief.

Pathological Division: A. R. WARD, chief.

Quarantine Division: RICHARD W. HICKMAN, chief.

Zoological Division: B. H. RANSOM, chief.

Experiment Station: E. C. SCHROEDER, superintendent.

Editor: JAMES M. PICKENS.

Office of Accounts: E. J. NEWMYER, in charge.

Appointment Section: IRVING W. PEW, in charge.

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